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Serial No. : 10/750,632
Filed : December 19, 2003
Page : 3 of 16

Attorney Docket No.: Navy Case 84734

Amendments to the Claims:

The following listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A method comprising:
 - providing asynchronous access to multiple users to a graphical programming and analysis environment program visually represented as a white board;
 - allowing each user of the multiple users to generate graphically represented code objects within the environment program, further comprising:
 - allowing said each user to instantiate one or more code objects,
 - allowing said each user to determine an internal logic for each code object,
 - allowing said each user to determine first data to be received by said each code object, and
 - allowing said each user to determine second data to be sent by said each code object;
 - allowing said each user access to the code objects of other users of the multiple users based on security privileges accorded to said each user;
 - allowing said each user to have the code objects of said each user be chained to the code objects of the other users to which said each user has access to yield inter-code object communication by inter-code object connections, each inter-code object connection terminating on one of an edge and an interior of one of the code objects; and,
 - allowing said each user to an execute application ~~programs-program~~ composed of the code objects as chained together within the environment program, the program operating by:
 - opening a first input window that displays a first dialog box and a first acknowledgement cursor region, wherein the first dialog box receives the first data, and the internal logic receives the first data in response to said each user executing the first acknowledgement cursor region,
 - opening a second input window that displays a second dialog box and a second acknowledgement cursor region, wherein the second dialog box receives the second data,

Applicants: Adam J. Simonoff *et al.*
Serial No. : 10/750,632
Filed : December 19, 2003
Page : 4 of 16

Attorney Docket No.: Navy Case 84734

and the internal logic receives the second data in response to said each user executing the second acknowledgement cursor region, and
opening an output window that displays result data from the internal logic
operating on the first and second data.

2. (Original) The method of claim 1, wherein providing asynchronous access to the multiple users to the graphical programming and analysis environment program comprises enabling multiple users to log into the environment program remotely, such that the multiple users are able to access the environment program simultaneously.

3. (Cancelled)

4. (Previously Presented) The method of claim 1, wherein allowing said each user access to the code objects of the other users based on security privileges accorded to the user comprises rendering visible to said each user the code objects of the other users to which the user has access.

5. (Previously Presented) The method of claim 1, wherein allowing said each user to chain together the code objects of the user to the code objects of the other users to which the user has access comprises allowing the user to graphically chain code objects together, such that a sender object of a pair of graphically chained together code objects is able to send data that are received by a receiver object of the pair.

6. (Currently Amended) The method of claim 1, wherein allowing said each user to execute the application ~~programs~~ program composed of the code objects as chained together within the environment program comprises displaying to the user end results of data processed by the code objects upon execution of the application programs.

7. (Previously Presented) The method of claim 1, wherein the graphical programming and analysis environment program comprises an applet program, and said each code object comprises an applet program within a same applet context as the environment program.

Applicants: Adam J. Simonoff *et al.*
Serial No. : 10/750,632
Filed : December 19, 2003
Page : 5 of 16

Attorney Docket No.: Navy Case 84734

8. (Original) The method of claim 7, wherein at least one of the graphical programming and analysis environment program and the code objects is developed within an architecture-independent and Internet web browsing program-independent computer programming technology.

9. (Original) The method of claim 1, wherein the graphically represented code objects coexist with non-graphically represented code objects within the environment program.

10. (Original) The method of claim 9, wherein the non-graphically represented code objects comprise stand-alone computer programs.

11. (Original) The method of claim 9, wherein the non-graphically represented code objects comprise one or more of: image-viewing programs, video-playing programs, and audio-playing programs.

12. (Original) The method of claim 1, wherein the graphically represented code objects comprise one or more of: database objects, video-playing programs, audio-playing programs, image-viewing programs, geo-spatial information map-viewing programs, filter-algorithm programs, and model and analysis tool programs.

13. (Cancelled)

14. (Currently Amended) The method of claim 1, wherein providing asynchronous access to the graphical programming and analysis environment program comprises providing application ~~programs~~ program executable within the white board.

15. (Currently Amended) The method of claim 14, wherein providing the application ~~programs~~ program executable within the white board comprises executing the application ~~programs~~ program such that results thereof are immediately available to the multiple users.

16. (Original) The method of claim 1, wherein providing asynchronous access to the graphical programming and analysis environment program comprises allowing users to access

Applicants: Adam J. Simonoff *et al.*
Serial No. : 10/750,632
Filed : December 19, 2003
Page : 6 of 16

Attorney Docket No.: Navy Case 84734

resources available on a network to which the graphical programming and analysis environment program is communicatively coupled.

17. (Currently Amended) An apparatus to provide an environment for multiple-user graphical programming and analysis environment program by machine-readable instructions executable on a computer platform, said apparatus comprising:

a plurality of graphically represented code objects, each code object created by a user and accessible by other users in accordance with security privileges of the other users, said each code object comprises:

a data interface indicating first data to be input into the code object and second data to be output by the code object, and

internal logic to generate the second data from the first data;

a plurality of graphically represented inter-code object connections, each inter-code object connection representing data transfer between a pair of code objects;

at least one or more application programs program composed of one or more chains of the code objects interconnected via the inter-code object connections, the program including opening operations for:

a first input window for displaying a first dialog box and a first acknowledgement cursor region, wherein the first dialog box receives the first data, and the internal logic receives the first data in response to said each user executing the first acknowledgement cursor region,

a second input window for displaying a second dialog box and a second acknowledgement cursor region, wherein the second dialog box receives the second data, and the internal logic receives the second data in response to said each user executing the second acknowledgement cursor region, and

an output window for displaying result data from the internal logic operating on the first and second data; and,

a graphical white board area within which the code objects are definable and movable and the inter-code object connections are creatable,

wherein the ~~one or more application programs are~~ program is executable within

Applicants: Adam J. Simonoff *et al.*
Serial No. : 10/750,632
Filed : December 19, 2003
Page : 7 of 16

Attorney Docket No.: Navy Case 84734

the graphical white board area, and each inter-code object connection terminates on one of an edge and an interior of one of the code objects.

18. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein each code object is an applet program.

19. (Currently Amended) The ~~environment program apparatus~~ of claim 18, wherein the graphical white board area is an applet program having a context within which each code object runs.

20. (Currently Amended) The ~~environment program apparatus~~ of claim 18, wherein the applet program is a JAVA[®] applet program.

21. (Cancelled)

22. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein each code object has at least one inter-code object communication graphically terminating on one of an edge and an interior of the code object.

23. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein each inter-code object connection represents data being sent by a sender object of the pair of code objects and being received by a receiver object of the pair of code objects.

24. (Currently Amended) The ~~environment program apparatus~~ of claim 23, wherein the data are at least one of: user defined, and filtered according to security privileges accorded to the users.

25. (Cancelled)

26. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein at least one of the inter-code object connections is one of graphically invisible and purposefully limited in functionality for security.

Applicants: Adam J. Simonoff *et al.*
Serial No. : 10/750,632
Filed : December 19, 2003
Page : 8 of 16

Attorney Docket No.: Navy Case 84734

27. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein each inter-code object connection is graphically represented by one of a line and a directed graph.

28. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein the ~~at least one or more application programs are program~~ is constructed one of asynchronously and synchronously.

29. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein the ~~at least one or more application programs are program~~ is at least one of: capable of being stored for later retrieval and use, and modular in nature so that more complex application programs may be constructed therefrom.

30. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein the ~~at least one or more application programs are program~~ is contained within container panels as macro programs, the container panels interconnectable via additional inter-code object connections.

31. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein the ~~at least one or more application programs are program~~ is at least one of: auditable and loggable during usage, traceable to users who construct the programs, traceable to users who use the programs, and configuration manageable.

32. (Currently Amended) The ~~environment program apparatus~~ of claim 17, wherein the ~~at least one or more application programs are program~~ is at least one of:
capable of accepting data from dynamically changing input sources, from static input sources, and from network-accessible resources;
capable of network reporting results thereof; and,
capable of networking reporting security privilege-filtered results thereof.

33. (Currently Amended) The ~~environment program apparatus~~ of claim 17, further comprising:

Applicants: Adam J. Simonoff *et al.*
Serial No. : 10/750,632
Filed : December 19, 2003
Page : 9 of 16

Attorney Docket No.: Navy Case 84734

a chat area within which the user can communicate with the other users; and,
a user list area showing a name of each of the user and the other users currently
logged into the environment program.

34. (Currently Amended) A method comprising:
accessing by a user a graphical programming and analysis environment program
that other users are already currently accessing;
generating by the user graphically represented code objects within the
environment program, wherein for each code object,
the user determining a data interface indicating first data to be input into
the code object and second data to be output by the code object; and,
the user determining internal logic to generate the second data from the
first data;
graphically chaining together code objects by the user within the environment
program, including chaining together the code objects generated by the user and code objects
generated by the other users to which the user has access based on security privileges accorded to
the user, to yield inter-code object communication by inter-code object connections, each inter-
code object connection terminating on one of an edge and an interior of one of the code objects;
and,

assembling an application programs-program by the user within the environment
program, each application program composed of the code objects as have been chained together,
the application program operating by:

opening a first input window that displays a first dialog box and a first
acknowledgement cursor region, wherein the first dialog box receives the first data, and the
internal logic receives the first data in response to said each user executing the first acknow-
ledgement cursor region,

opening a second input window that displays a second dialog box and a
second acknowledgement cursor region, wherein the second dialog box receives the second data,
and the internal logic receives the second data in response to said each user executing the second
acknowledgement cursor region, and

Applicants: Adam J. Simonoff *et al.*
Serial No. : 10/750,632
Filed : December 19, 2003
Page : 10 of 16

Attorney Docket No.: Navy Case 84734

opening an output window that displays result data from the internal logic operating on the first and second data.

35. (Original) The method of claim 34, further comprising executing by the user of the application programs within the environment program.

36. (Cancelled)

37. (Original) The method of claim 34, wherein chaining together code objects by the user comprises the user, for each pair of code objects to be chained together, specify a sender object of the pair to send data and a receiver object of the pair to receive the data.

38. (Original) The method of claim 34, wherein the graphical programming and analysis environment program comprises an applet program, and each code object comprises an applet program within a same applet context as the environment program.

39. (New) The method of claim 1, wherein opening an output window further includes displaying a third acknowledgement cursor region thereby allowing said each user to terminate the output window in response to said each user executing the third acknowledgement cursor region.

40. (New) The apparatus of claim 17, wherein the output window further includes a third acknowledgement cursor region that allows said each user to terminate the output window in response to said each user executing the third acknowledgement cursor region.

41. (New) The method of claim 34, wherein opening an output window further includes displaying a third acknowledgement cursor region thereby allowing said each user to terminate the output window in response to said each user executing the third acknowledgement cursor region.